CLAIMS

What is claimed is:

- 1. 1 A method for user agent operation, comprising: 2 (a) accessing a network site utilizing a network; 3 (b) simulating user interaction for navigating the network site based on client 4 specifications; retrieving a web page from the site; (c)
- (d) assigning identifiers to elements of the web page;
 - (e) rendering the web page for further processing;
 - (f) rendering dynamic content of the web page; and
 - (g) returning the rendered web page to the client in a markup language.
 - 2. The method as recited in claim 1, further comprising navigating from the web page.
- **=** 1 3. The method as recited in claim 2, wherein navigating from the web page 2 includes at least one of selecting links on a web page, submitting forms, and
 - 3 firing scripting events.
 - 1 4. The method as recited in claim 1, wherein the client is informed of changed 2 frames.
 - 5. 1 The method as recited in claim 1, wherein specified frames are sent to the client.

- 1 The method as recited in claim 1, wherein a network interface is provided. 6.
- The method as recited in claim 1, wherein a Component Object Model (COM) 7. 1
- 2 interface is provided.
- 8. 1 The method as recited in claim 1, wherein the rendered content is output to a
- 2 wireless user device.
- 1 9. A computer program product for user agent operation, comprising:
- computer code for accessing a network site utilizing a network; 2 (a)
- 3 computer code for simulating user interaction for navigating the network site (b)
- 4 based on client specifications;
- The first trade where the first first 5 computer code for retrieving a web page from the site; (c)
 - computer code for assigning identifiers to elements of the web page; (d)
 - 7 computer code for rendering the web page for further processing; (e)
 - 8 computer code for rendering dynamic content of the web page; and (f)
- H 9 (g) computer code for returning the rendered web page to the client in a markup
 - language.
 - 10. A system for user agent operation, comprising:
- (a) logic for accessing a network site utilizing a network;
 - logic for simulating user interaction for navigating the network site based on 3 (b)
 - 4 client specifications;
 - 5 (c) logic for retrieving a web page from the site;
 - logic for assigning identifiers to elements of the web page; 6 (d)
 - 7 logic for rendering the web page for further processing; (e)
 - logic for rendering dynamic content of the web page; and 8 (f)
 - 9 logic for returning the rendered web page to the client in a markup language. (g)

- 1 11. A method for user agent operation, comprising:
- 2 (a) accessing a network site utilizing a network;
- 3 simulating user interaction for navigating the network site based on client (b)
- 4 specifications;
- 5 (c) retrieving a web page from the site;
- assigning identifiers to elements of the web page; 6 (d)
- 7 (e) rendering the web page for further processing;
- 8 rendering dynamic content of the web page; and (f)
- 9 returning the rendered web page to the client in a markup language; (g)
- 10 (h) wherein the client performs further processing.
- The method as recited in claim 11, further comprising navigating from the web 12. page.
- The method as recited in claim 12, wherein navigating from the web page 13. includes at least one of selecting links on a web page, submitting forms, and firing scripting events.
 - 14. The method as recited in claim 11, wherein the client is informed of changed frames.
 - The method as recited in claim 11, wherein specified frames are sent to the 1 15. 2 client.
 - The method as recited in claim 11, wherein a network interface is provided. 1 16.
 - The method as recited in claim 11, wherein a Component Object Model (COM) 1 17.
 - 2 interface is provided.

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	2	wireless user device.
	1 19	The method as recited in claim 11, wherein the further processing includes
	2	repeating acts (b)-(g).
	1 20	A computer program product for user agent operation, comprising:
	2 (a)	computer code for accessing a network site utilizing a network;
	3 (b)	computer code for simulating user interaction for navigating the network site
	4	based on client specifications;
	5 (c)	computer code for retrieving a web page from the site;
	6 (d)	computer code for assigning identifiers to elements of the web page;
	7 (e)	computer code for rendering the web page for further processing;
100 100 100 100 100 100 100 100 100 100	8 (f)	computer code for rendering dynamic content of the web page; and
	9 (g)	computer code for returning the rendered web page to the client in a markup
<u>ф</u> 1	0	language;
1	1 (h)	wherein the client performs further processing.
The state of the s	1 21.	A system for user agent operation, comprising:
	2 (a)	logic for accessing a network site utilizing a network;
!	3 (b)	logic for simulating user interaction for navigating the network site based on
4	4	client specifications;
4	5 (c)	logic for retrieving a web page from the site;

- 6 (d) logic for assigning identifiers to elements of the web page;
- 7 (e) logic for rendering the web page for further processing;
- 8 (f) logic for rendering dynamic content of the web page; and
- 9 (g) logic for returning the rendered web page to the client in a markup language;
- 10 (h) wherein the client performs further processing.

1	22.	A method for user agent operation, comprising:
2	(a)	accessing a network site utilizing a network;
3	(b)	simulating user interaction for navigating the network site based on client
4		specifications;
5	(c)	retrieving a web page from the site;
6	(d)	assigning identifiers to elements of the web page;
7	(e)	rendering the web page for further processing;
8	(f)	rendering dynamic content of the web page;
9	(g)	returning the rendered web page to the client in a markup language;
10	(h)	wherein specified frames of the web page are sent to the client; and
11	(i)	navigating from the web page;
_12	(j)	wherein navigating from the web page includes at least one of selecting links on
<u></u>		a web page, submitting forms, and firing scripting events;
14	(k)	wherein the client performs further processing;
113 114 115 116	(1)	wherein the client is informed of changed frames;
16	(m)	wherein the rendered content is output to a wireless user device.
I 1	23.	The method as recited in claim 22, further comprising repeating acts (b)-(g).
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